

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051616\
 Data File : BE091787.D
 Acq On : 16 May 2016 23:26
 Operator : UM/SJ
 Sample : H3065-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW100-160511

Quant Time: May 17 04:03:41 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	51543	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	248834	5.00	ng	0.00
13) Acenaphthene-d10	14.41	164	142949	5.00	ng	-0.01
19) Phenanthrene-d10	17.15	188	337459	5.00	ng	0.00
26) Chrysene-d12	21.31	240	322715	5.00	ng	0.00
35) Perylene-d12	23.74	264	337539	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	28074	2.22	ng	0.00
5) Phenol-d6	6.96	99	24572	1.46	ng	0.00
8) Nitrobenzene-d5	8.95	82	46987	2.93	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	38198	7.19	ng	-0.01
15) 2-Fluorobiphenyl	13.03	172	139254	3.44	ng	0.00
29) Terphenyl-d14	19.76	244	223047	4.43	ng	0.00

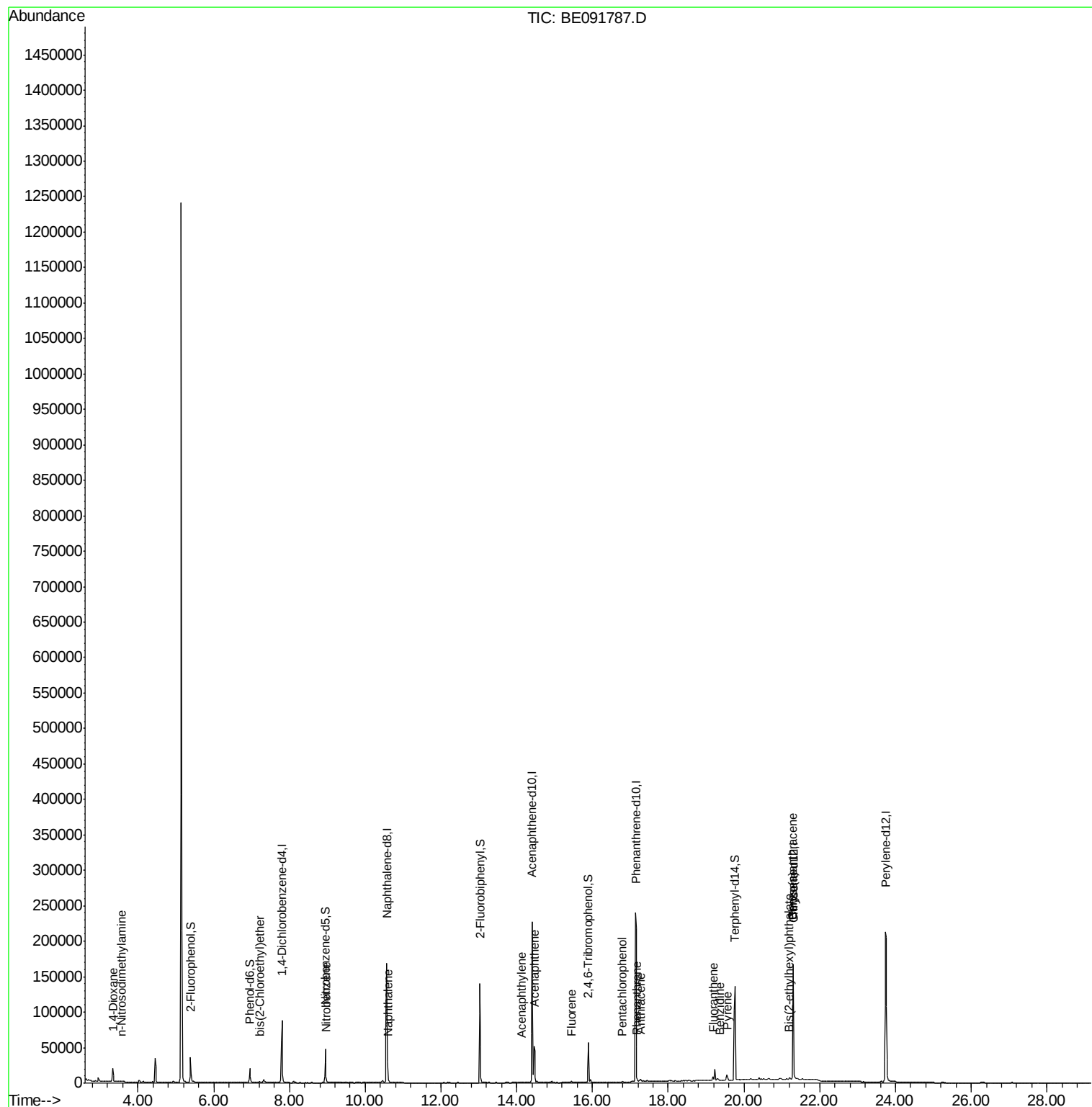
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	12823	2.08	ng	# 92
3) n-Nitrosodimethylamine	3.56	42	862	0.09	ng	# 1
6) bis(2-Chloroethyl)ether	7.21	93	1705	0.12	ng	# 67
9) Nitrobenzene	8.97	77	626	0.04	ng	# 33
10) Naphthalene	10.61	128	1128	0.02	ng	# 67
16) Acenaphthylene	14.12	152	2892	0.05	ng	# 1
17) Acenaphthene	14.47	154	32243	0.90	ng	91
18) Fluorene	15.44	166	3213	0.07	ng	# 55
22) Pentachlorophenol	16.79	266	1731	0.36	ng	93
23) Phenanthrene	17.18	178	2192	0.03	ng	# 73
24) Anthracene	17.28	178	4382	0.06	ng	# 88
25) Fluoranthene	19.19	202	6092	0.08	ng	# 85
27) Benzidine	19.36	184	475	0.18	ng	# 1
28) Pyrene	19.55	202	7029	0.10	ng	# 88
30) Benzo(a)anthracene	21.29	228	2883	0.04	ng	# 56
32) Chrysene	21.29	228	2933	0.04	ng	# 63
33) Bis(2-ethylhexyl)phthalate	21.20	149	4561	0.19	ng	# 85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.80 min Scan# 300

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

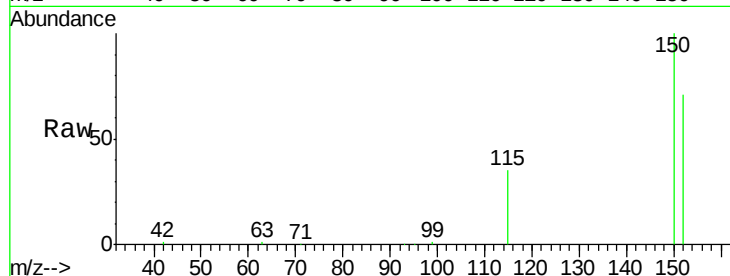
Tgt Ion:152 Resp: 51543

Ion Ratio Lower Upper

152 100

150 141.8 122.6 183.8

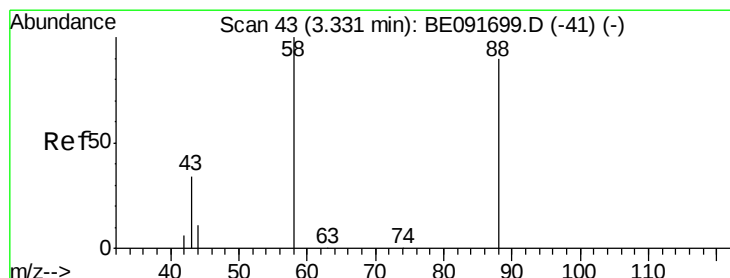
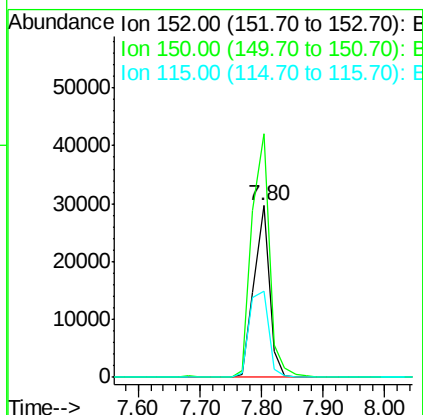
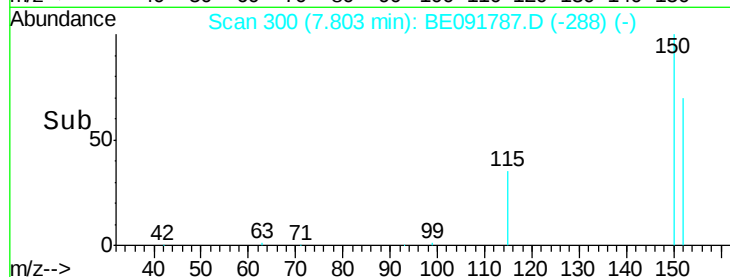
115 50.3 52.8 79.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 2.08 ng

RT: 3.35 min Scan# 44

Delta R.T. 0.02 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

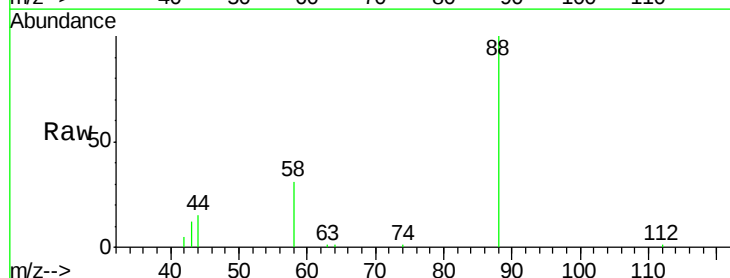
Tgt Ion: 88 Resp: 12823

Ion Ratio Lower Upper

88 100

58 88.1 65.8 98.6

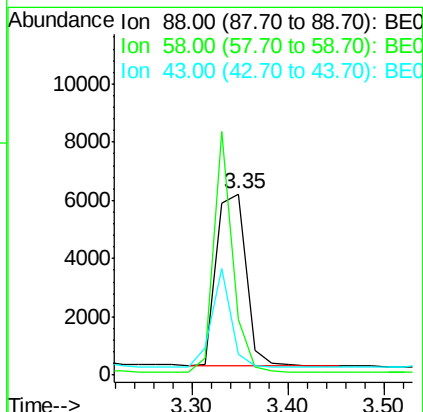
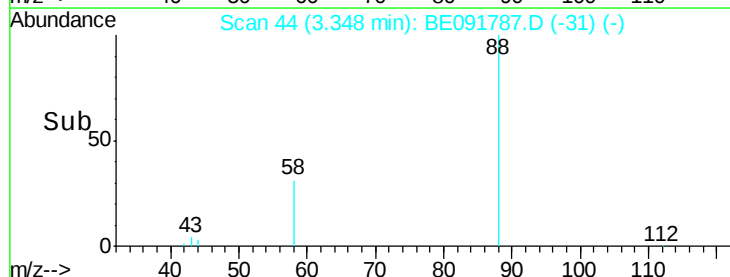
43 38.0 25.3 37.9#

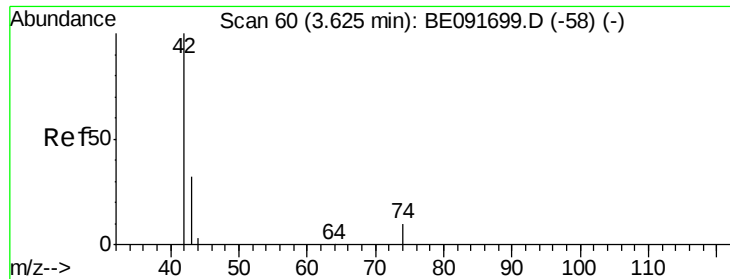


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.09 ng

RT: 3.56 min Scan# 56

Delta R.T. -0.07 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

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ClientSampleId :

SS043MW100-160511

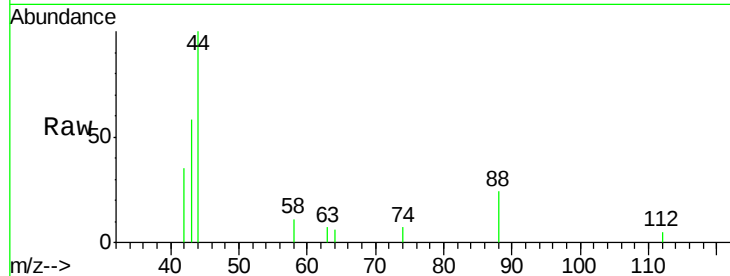
Tgt Ion: 42 Resp: 862

Ion Ratio Lower Upper

42 100

74 0.8 87.9 131.9#

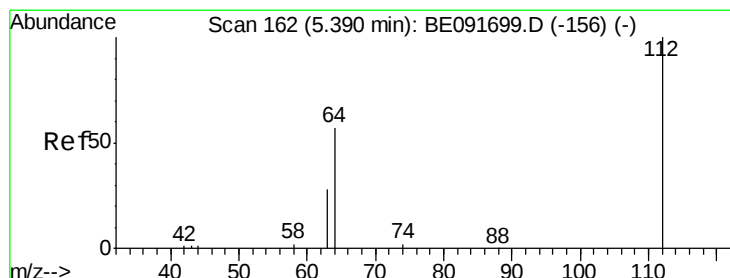
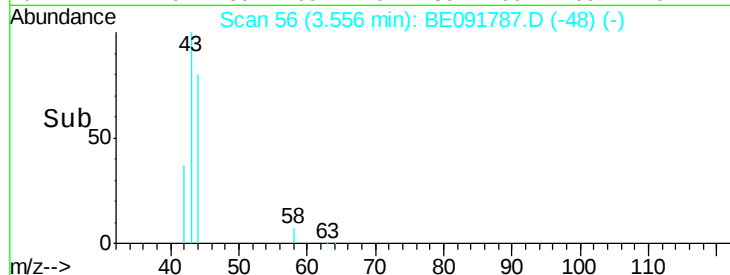
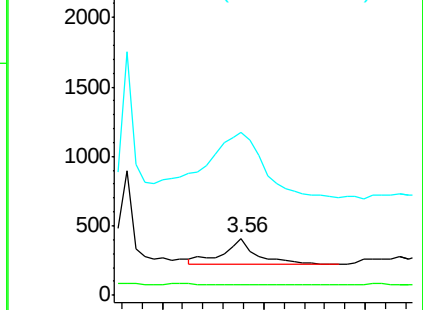
44 393.5 6.6 9.8#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 2.22 ng

RT: 5.39 min Scan# 162

Delta R.T. -0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

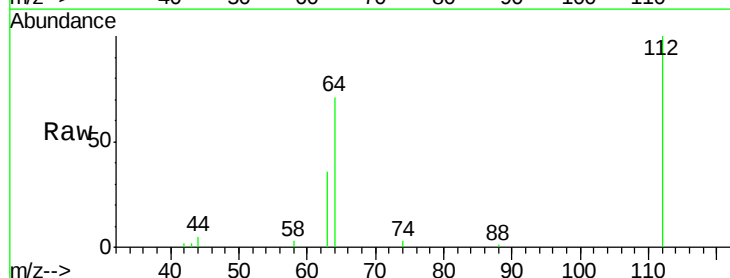
Tgt Ion: 112 Resp: 28074

Ion Ratio Lower Upper

112 100

64 67.4 30.9 46.3#

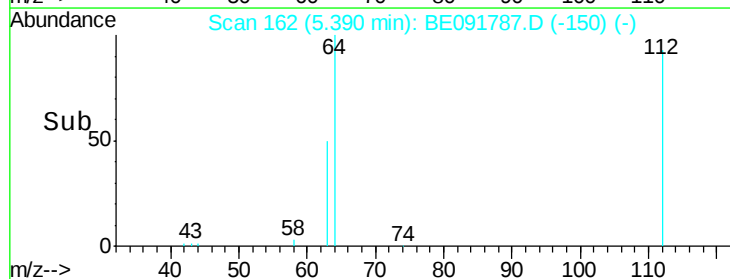
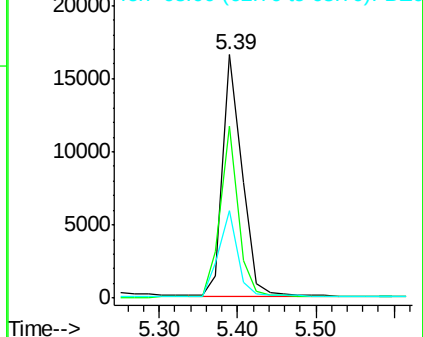
63 36.5 16.7 25.1#

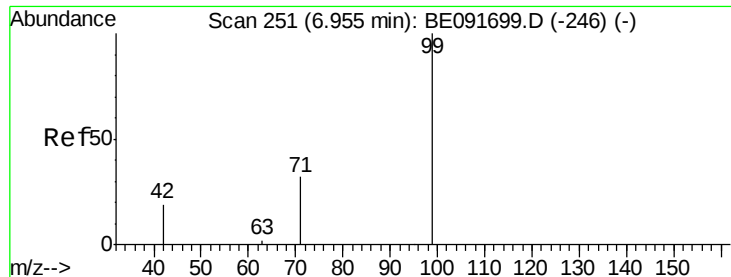


Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.46 ng

RT: 6.96 min Scan# 251

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

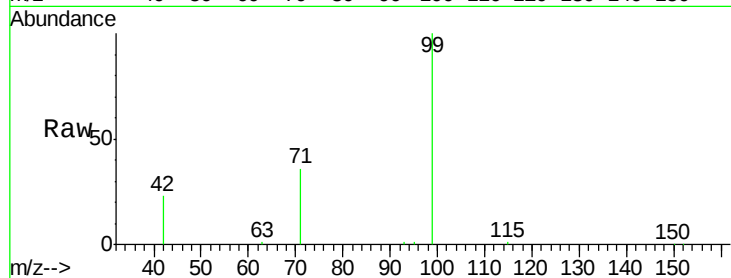
Tgt Ion: 99 Resp: 24572

Ion Ratio Lower Upper

99 100

42 24.5 16.2 24.2#

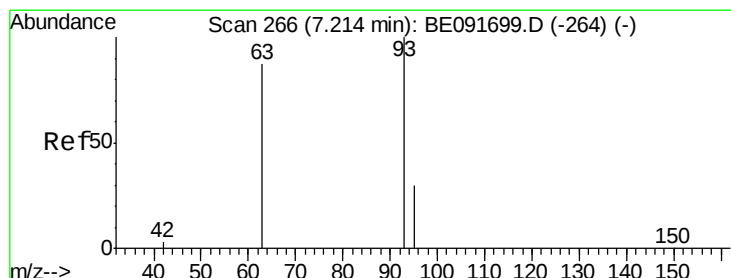
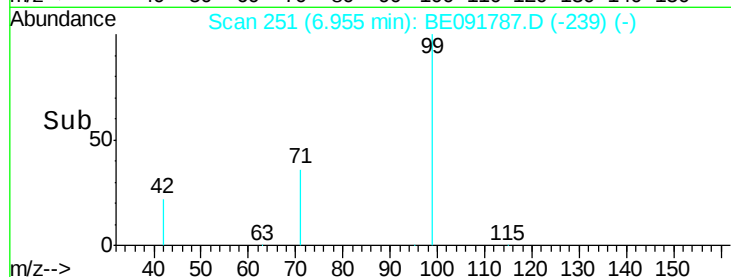
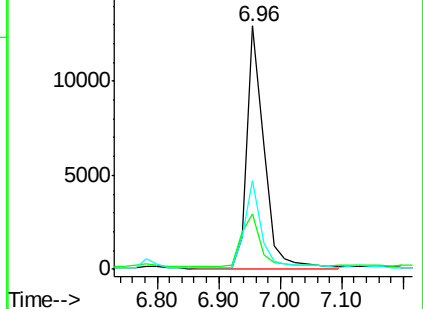
71 37.0 29.0 43.4



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.12 ng

RT: 7.21 min Scan# 266

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

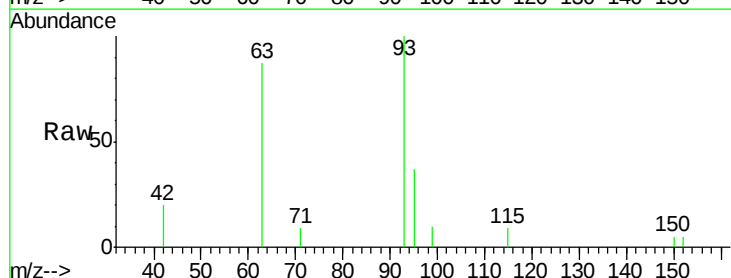
Tgt Ion: 93 Resp: 1705

Ion Ratio Lower Upper

93 100

63 94.4 49.5 74.3#

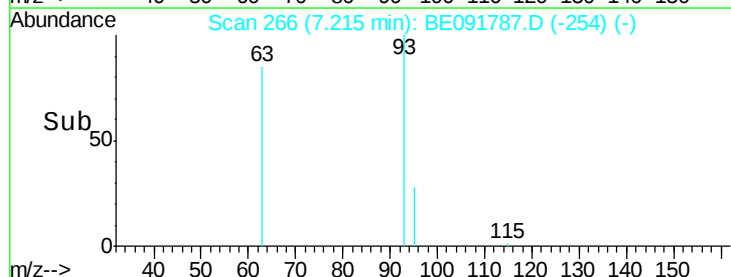
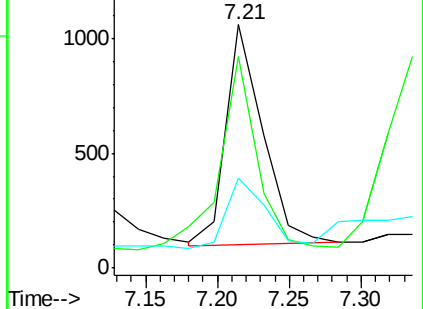
95 34.5 22.2 33.4#

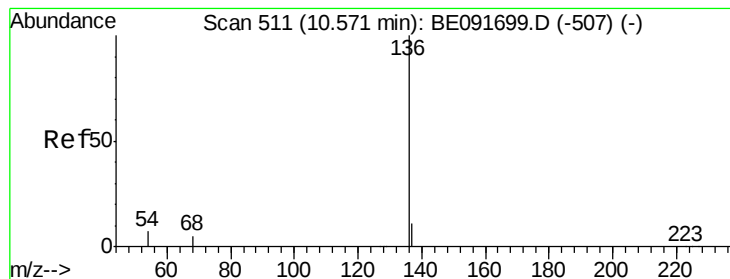


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.57 min Scan# 511

Delta R.T. -0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

Tgt Ion: 136 Resp: 248834

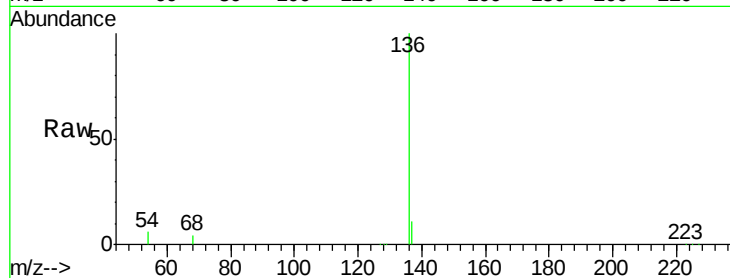
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 5.7 8.2 12.4#

68 4.5 6.2 9.4#

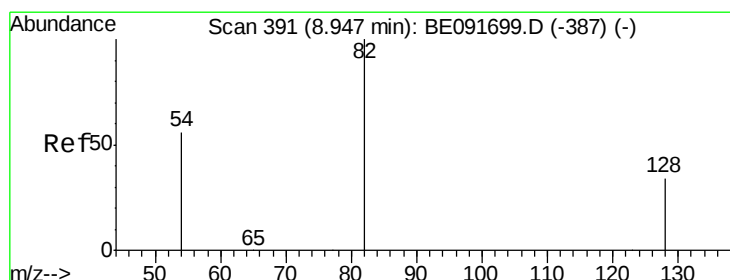
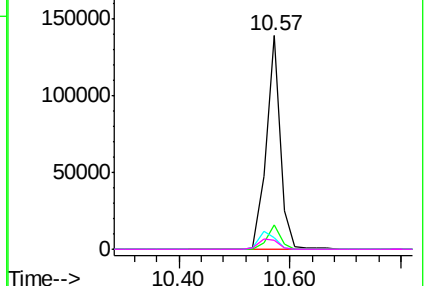
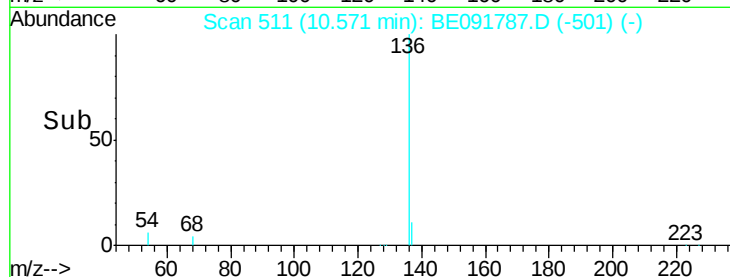


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 2.93 ng

RT: 8.95 min Scan# 391

Delta R.T. -0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

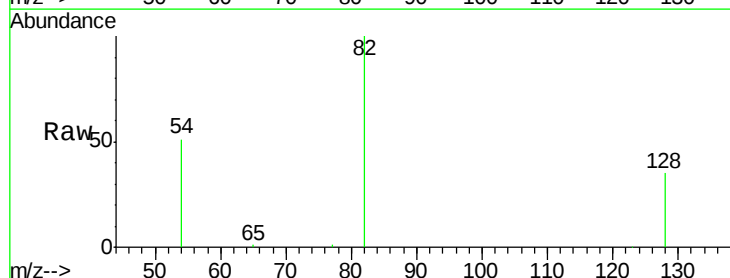
Tgt Ion: 82 Resp: 46987

Ion Ratio Lower Upper

82 100

128 35.3 25.4 38.0

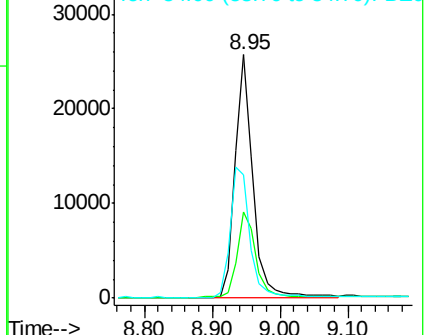
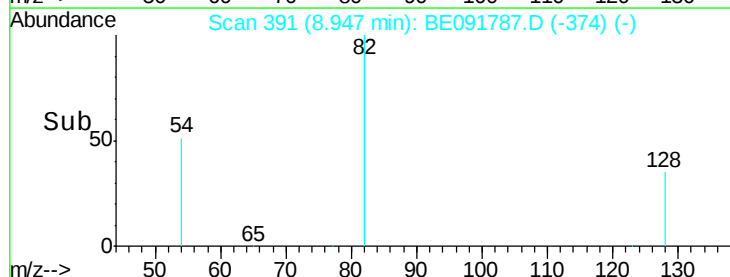
54 50.9 48.4 72.6

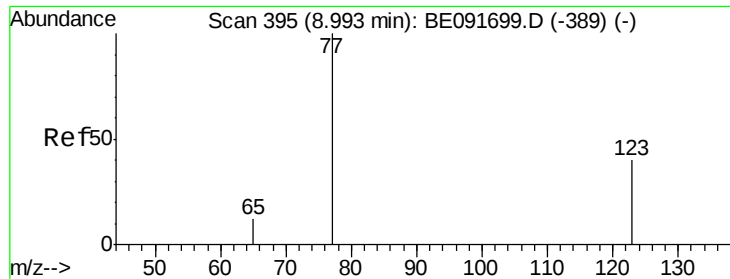


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.04 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.02 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

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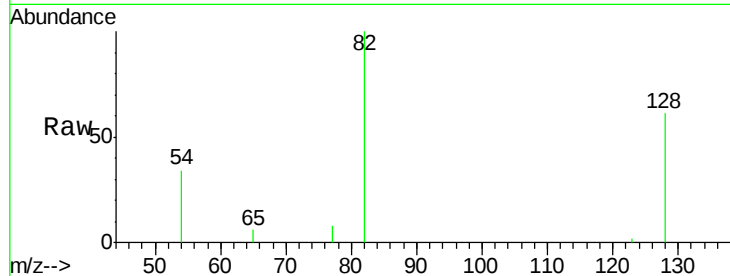
Tgt Ion: 77 Resp: 626

Ion Ratio Lower Upper

77 100

123 6.4 26.9 40.3#

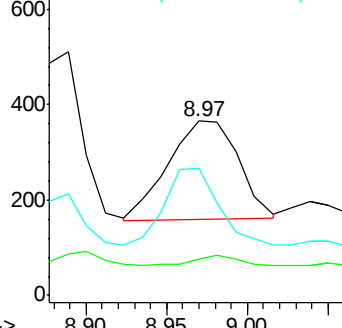
65 58.3 9.4 14.2#



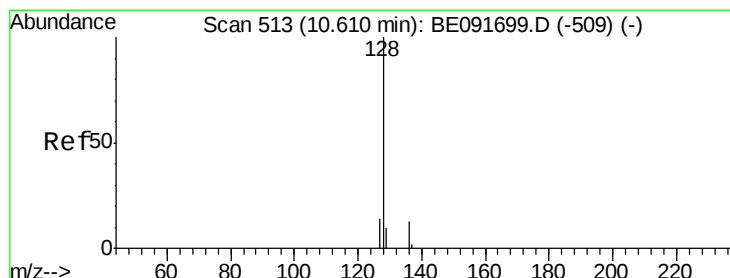
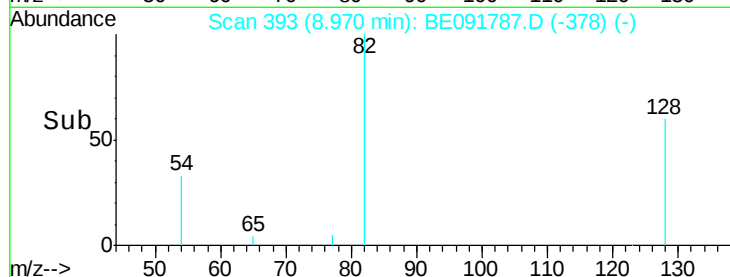
Abundance Ion 77.00 (76.70 to 77.70): BE091699.D (-389) (-)

Ion 123.00 (122.70 to 123.70): BE091699.D (-389) (-)

Ion 65.00 (64.70 to 65.70): BE091699.D (-389) (-)



Time-->



#10

Naphthalene

Concen: 0.02 ng

RT: 10.61 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

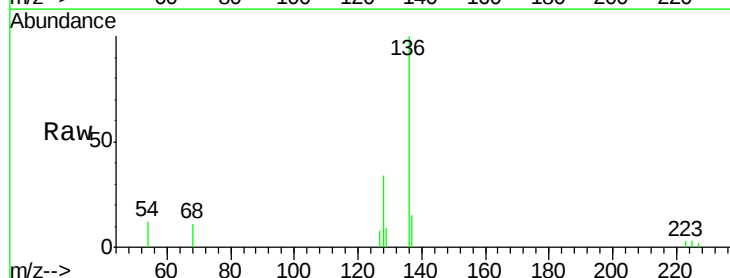
Tgt Ion: 128 Resp: 1128

Ion Ratio Lower Upper

128 100

129 27.3 9.3 13.9#

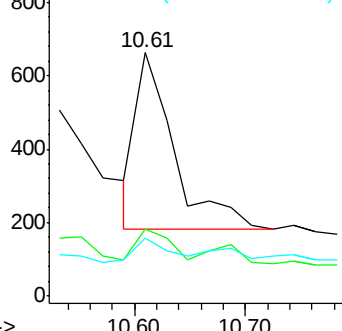
127 24.0 10.7 16.1#



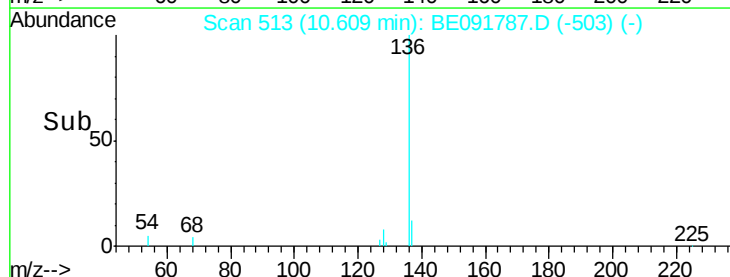
Abundance Ion 128.00 (127.70 to 128.70): BE091699.D (-509) (-)

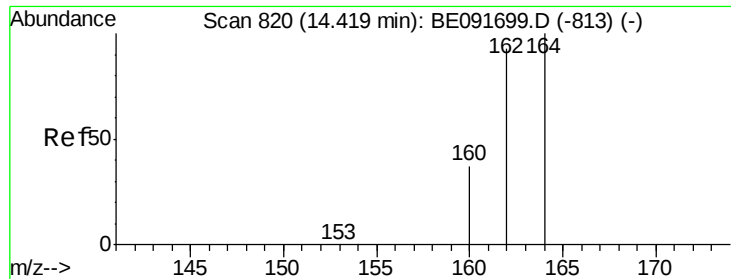
Ion 129.00 (128.70 to 129.70): BE091699.D (-509) (-)

Ion 127.00 (126.70 to 127.70): BE091699.D (-509) (-)



Time-->





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.41 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

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ClientSampleId :

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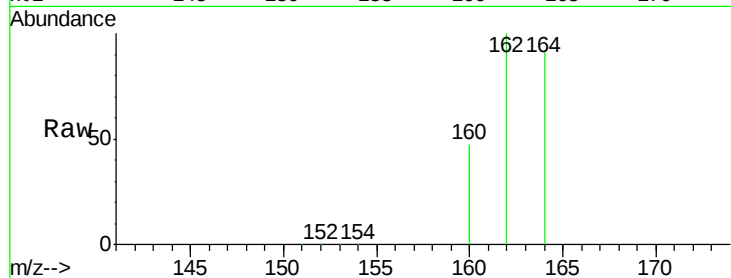
Tgt Ion:164 Resp: 142949

Ion Ratio Lower Upper

164 100

162 110.1 85.3 127.9

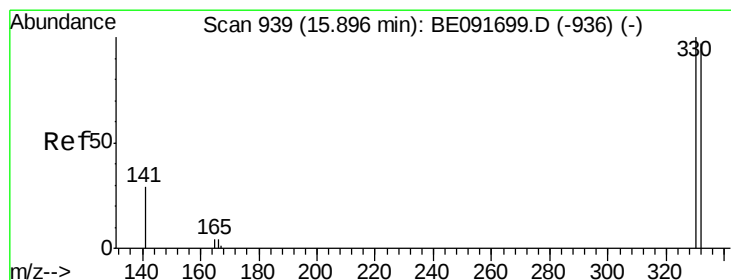
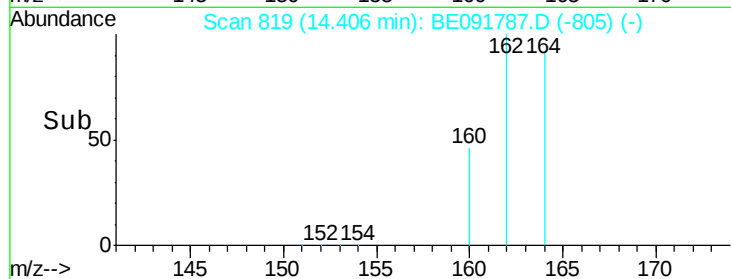
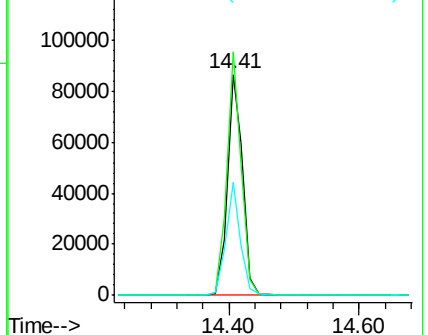
160 51.2 46.2 69.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 7.19 ng

RT: 15.88 min Scan# 938

Delta R.T. -0.01 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

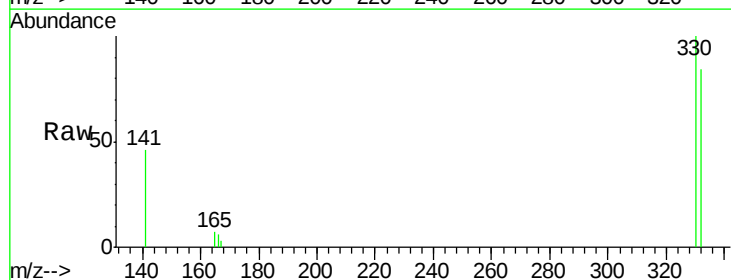
Tgt Ion:330 Resp: 38198

Ion Ratio Lower Upper

330 100

332 95.7 79.1 118.7

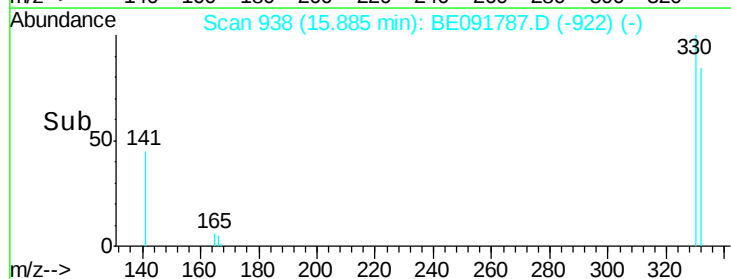
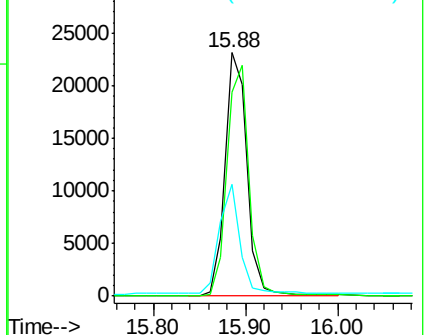
141 41.8 125.4 188.0#

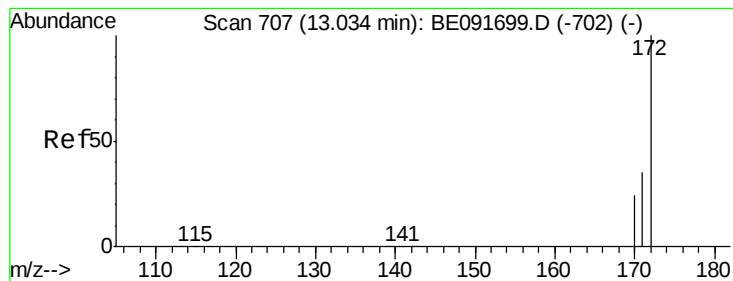


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

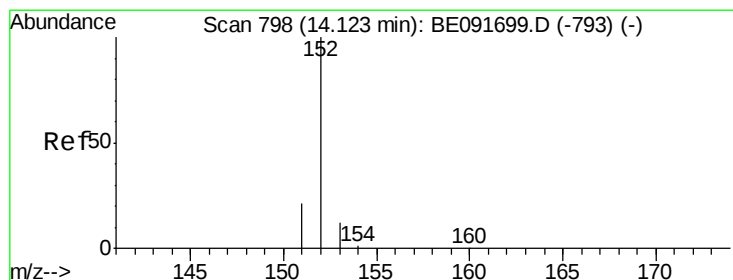
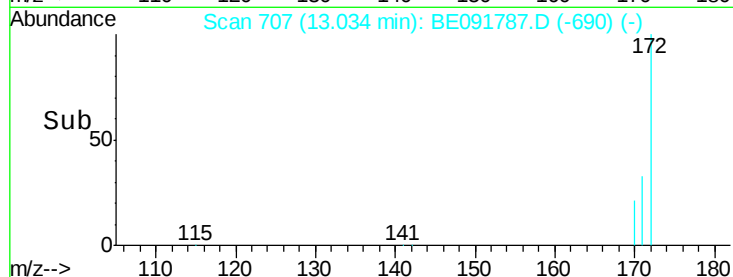
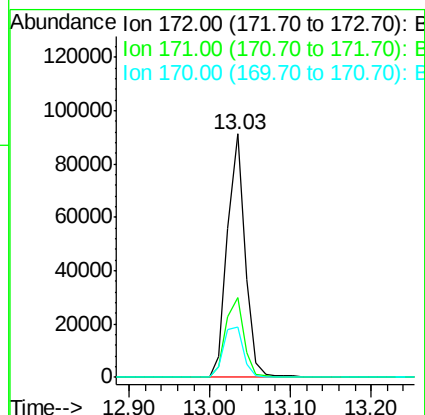
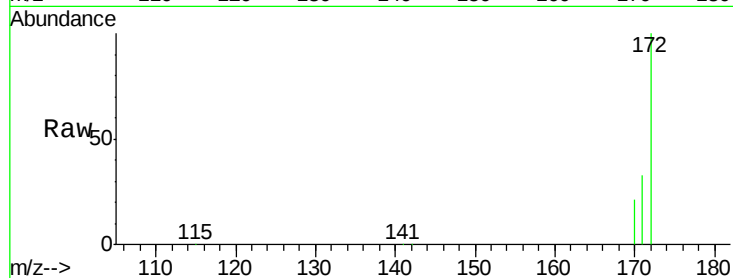




#15
2-Fluorobiphenyl
Concen: 3.44 ng
RT: 13.03 min Scan# 707
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

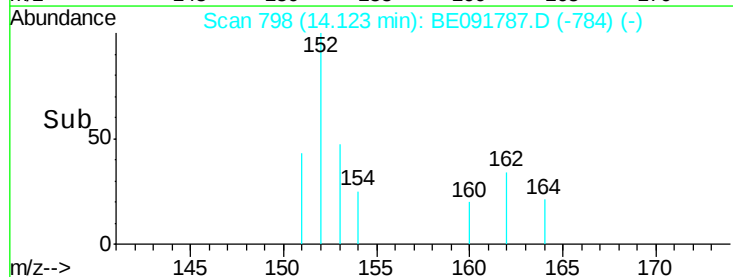
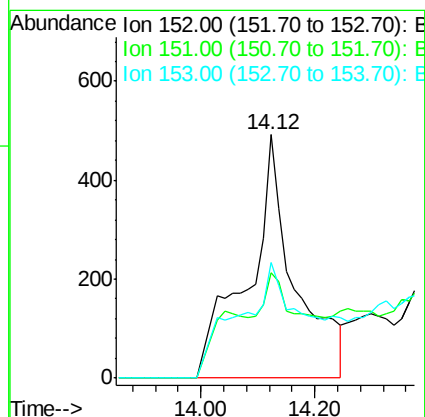
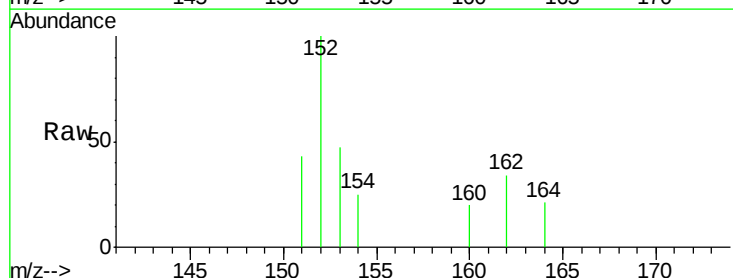
Instrument :
BNA_E
ClientSampleId :
SS043MW100-160511

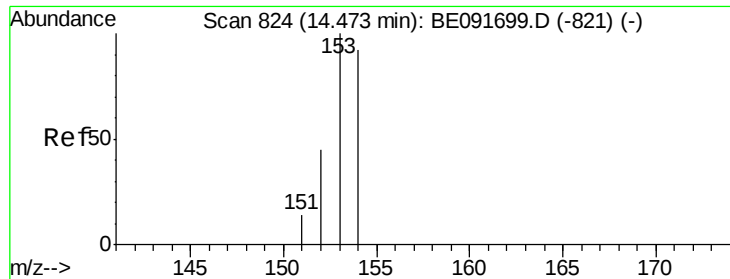
Tgt Ion:172 Resp: 139254
Ion Ratio Lower Upper
172 100
171 32.6 28.8 43.2
170 20.8 19.3 28.9



#16
Acenaphthylene
Concen: 0.05 ng
RT: 14.12 min Scan# 798
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Tgt Ion:152 Resp: 2892
Ion Ratio Lower Upper
152 100
151 17.4 3.9 5.9#
153 63.7 10.3 15.5#





#17

Acenaphthene

Concen: 0.90 ng

RT: 14.47 min Scan# 824

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

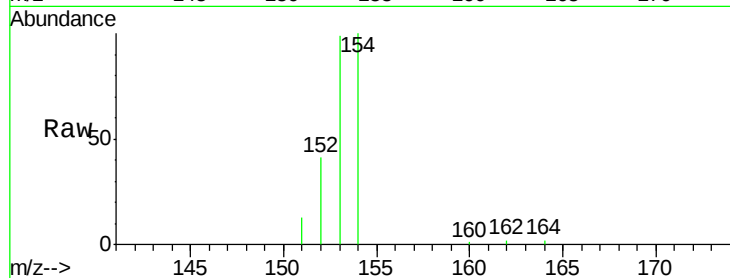
Tgt Ion:154 Resp: 32243

Ion Ratio Lower Upper

154 100

153 110.5 80.0 120.0

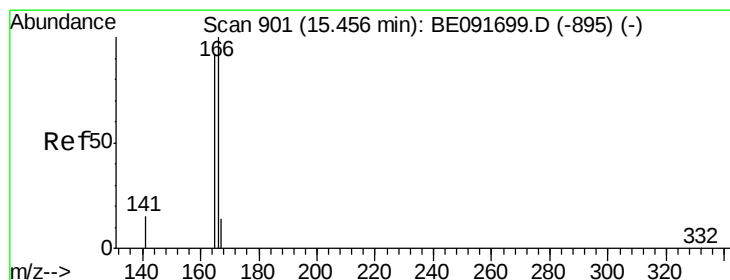
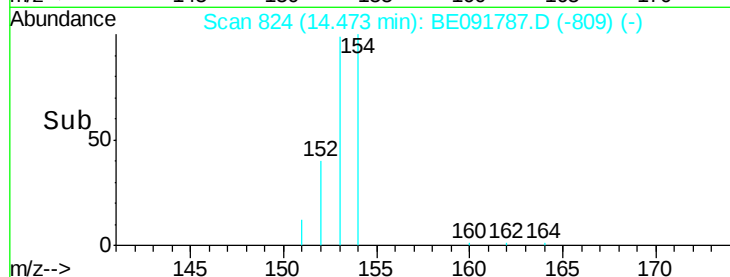
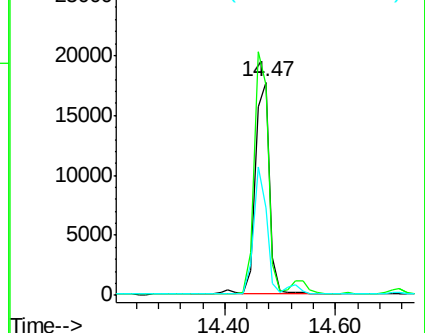
152 53.1 40.0 60.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.07 ng

RT: 15.44 min Scan# 900

Delta R.T. -0.01 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

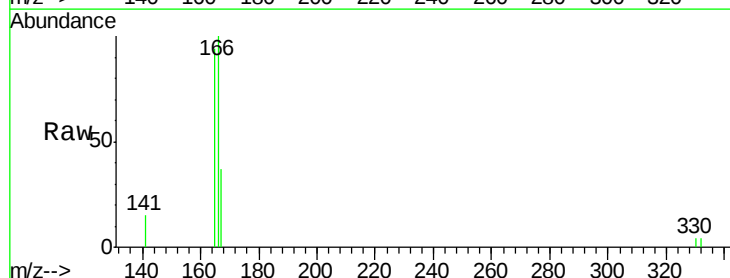
Tgt Ion:166 Resp: 3213

Ion Ratio Lower Upper

166 100

165 51.5 80.8 121.2#

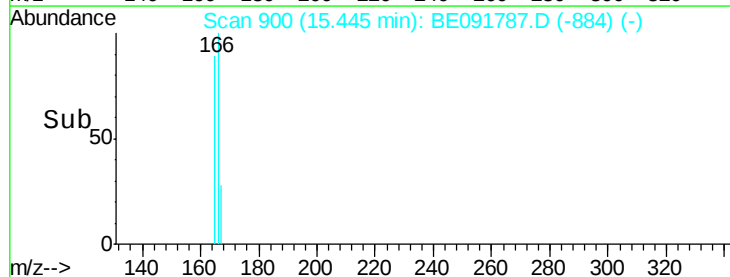
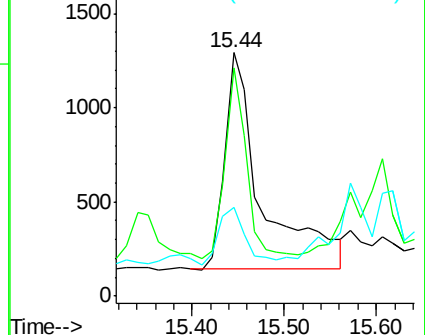
167 19.2 10.9 16.3#

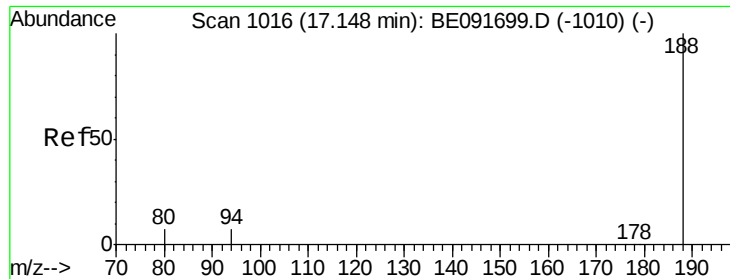


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.15 min Scan# 1016

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

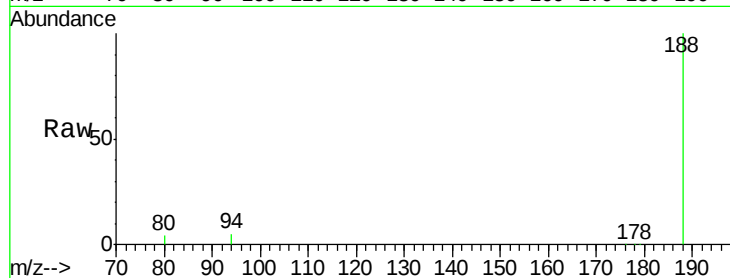
Tgt Ion:188 Resp: 337459

Ion Ratio Lower Upper

188 100

94 4.8 8.7 13.1#

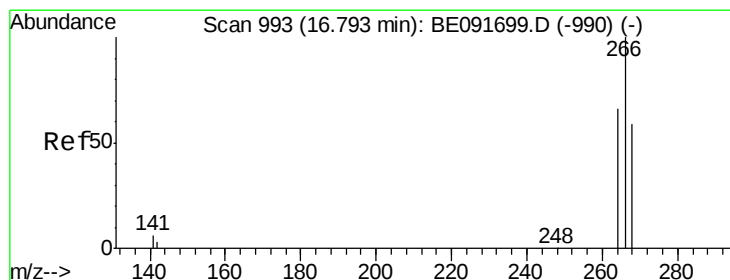
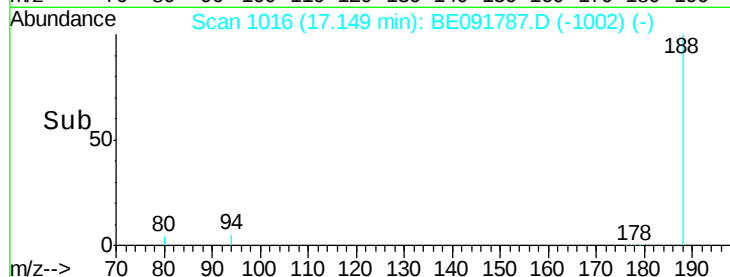
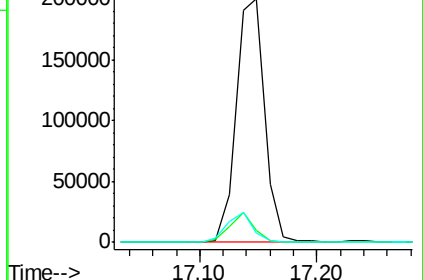
80 3.9 9.4 14.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#22

Pentachlorophenol

Concen: 0.36 ng

RT: 16.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

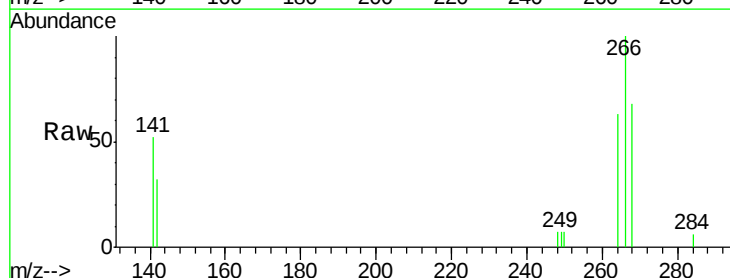
Tgt Ion:266 Resp: 1731

Ion Ratio Lower Upper

266 100

268 68.1 58.2 87.2

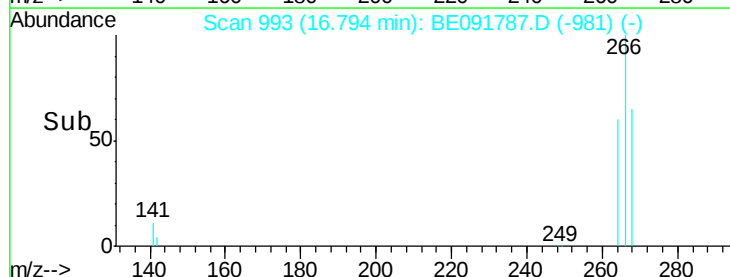
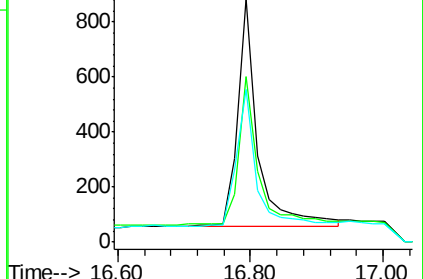
264 62.5 56.2 84.4

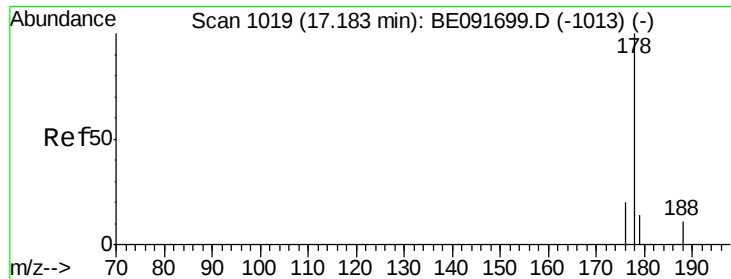


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#23

Phenanthrene

Concen: 0.03 ng

RT: 17.18 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

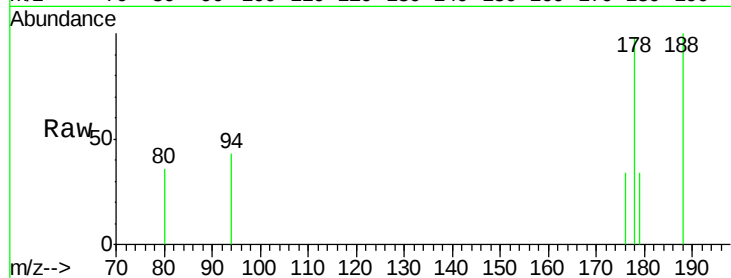
Tgt Ion:178 Resp: 2192

Ion Ratio Lower Upper

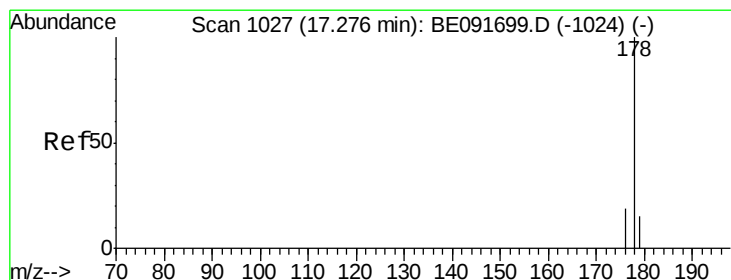
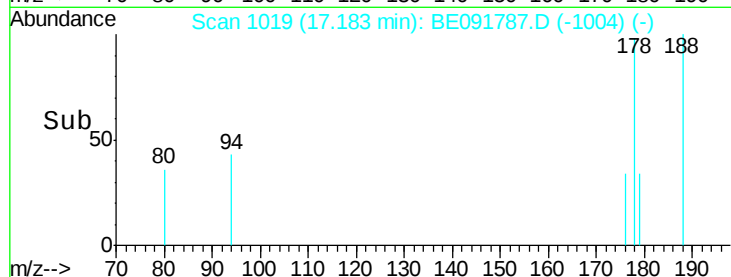
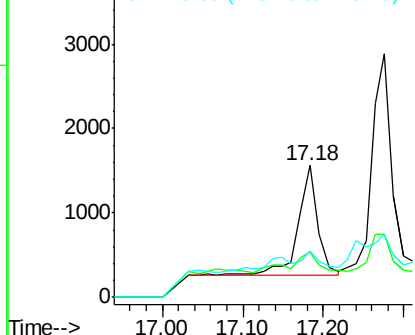
178 100

176 27.4 15.3 22.9#

179 0.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.06 ng

RT: 17.28 min Scan# 1027

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

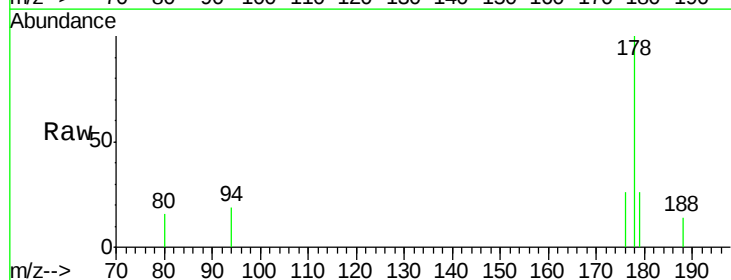
Tgt Ion:178 Resp: 4382

Ion Ratio Lower Upper

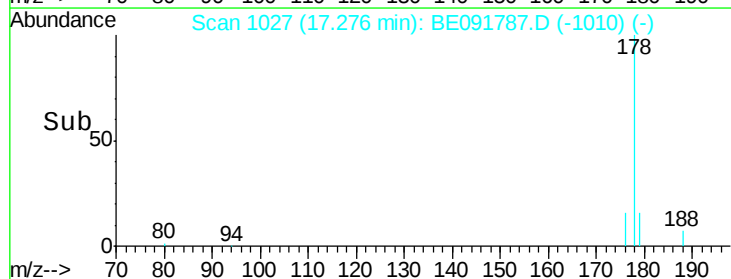
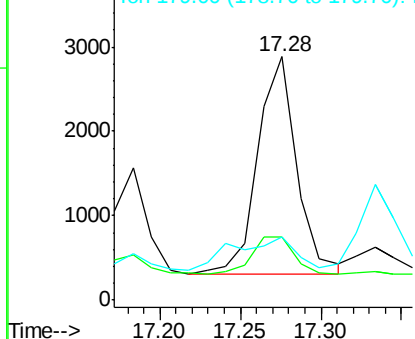
178 100

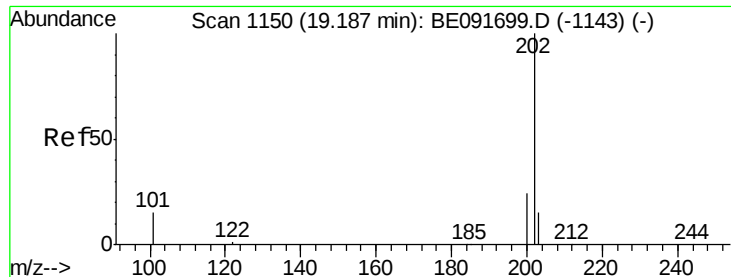
176 19.8 14.6 21.8

179 23.9 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

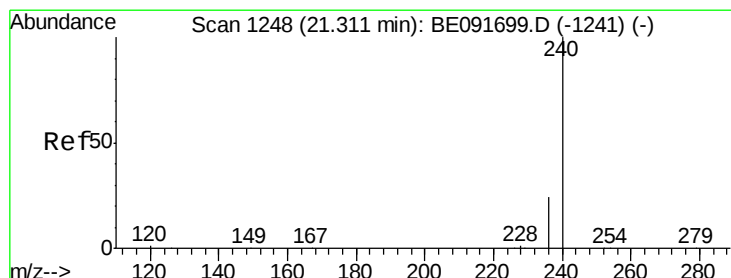
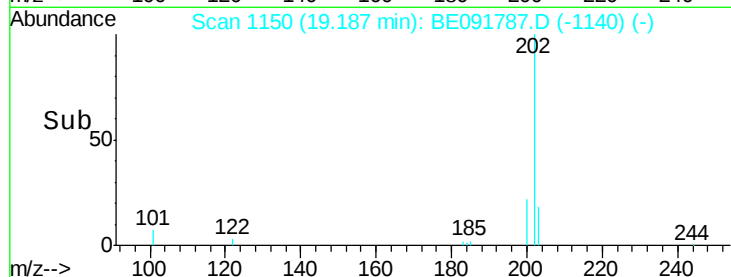
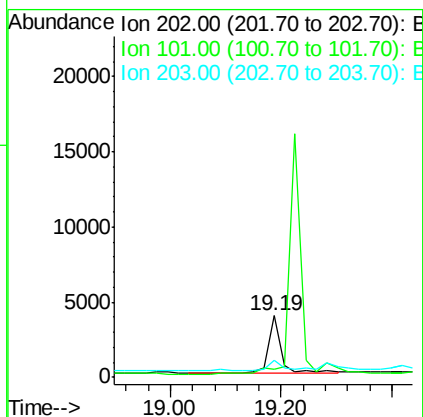
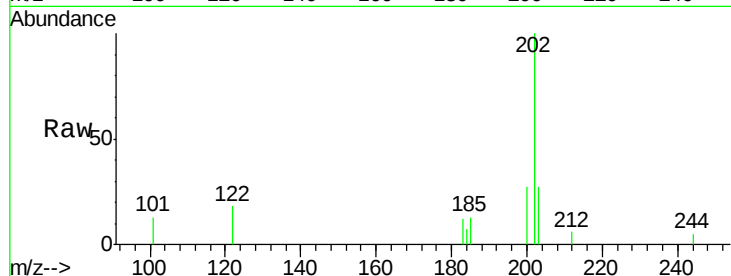




#25
Fluoranthene
Concen: 0.08 ng
RT: 19.19 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

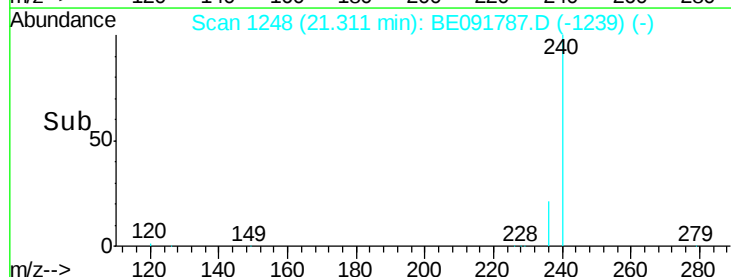
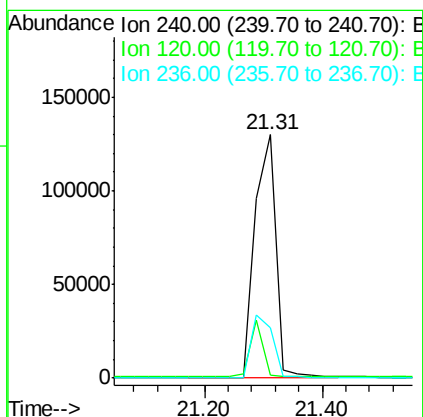
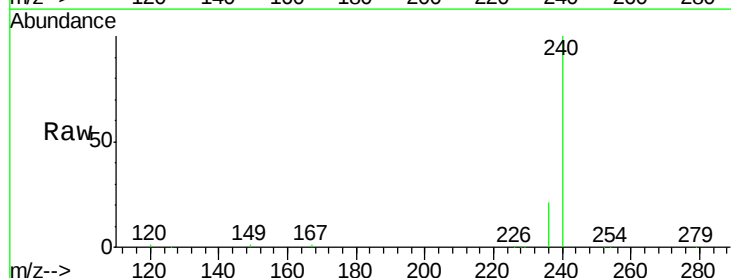
Instrument :
BNA_E
ClientSampleId :
SS043MW100-160511

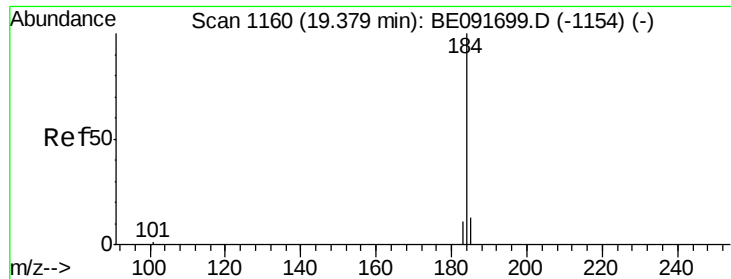
Tgt Ion: 202 Resp: 6092
Ion Ratio Lower Upper
202 100
101 0.0 11.0 16.6#
203 17.6 13.9 20.9



#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE091787.D
Acq: 16 May 2016 23:26

Tgt Ion: 240 Resp: 322715
Ion Ratio Lower Upper
240 100
120 1.1 11.0 16.4#
236 20.7 21.7 32.5#





#27

Benzidine

Concen: 0.18 ng

RT: 19.36 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

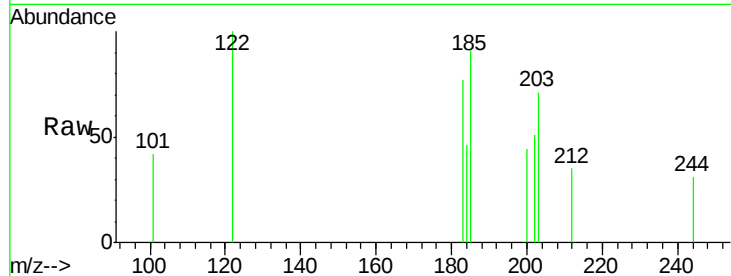
Tgt Ion:184 Resp: 475

Ion Ratio Lower Upper

184 100

185 196.6 22.3 33.5#

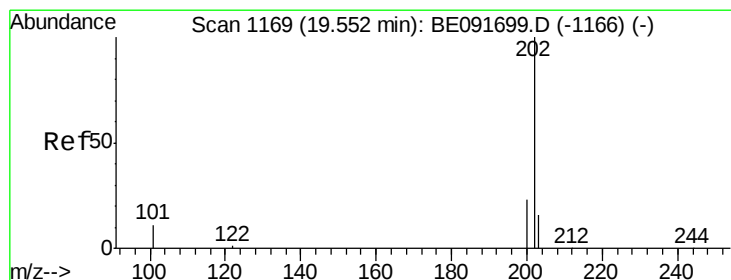
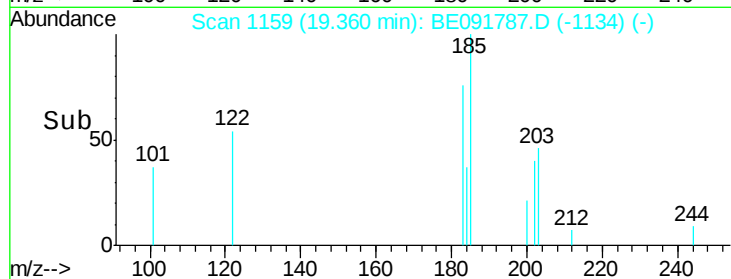
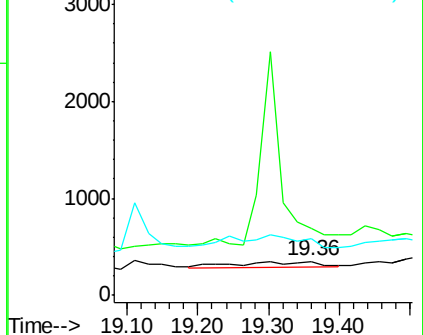
183 166.1 16.4 24.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#28

Pyrene

Concen: 0.10 ng

RT: 19.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

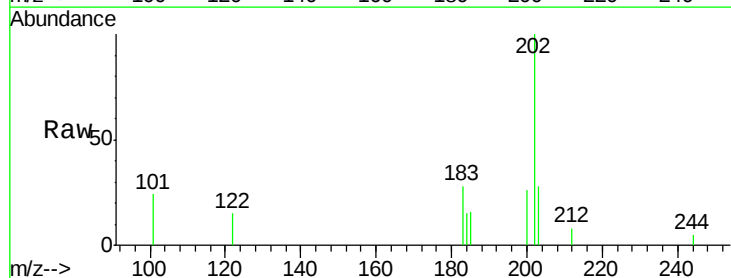
Tgt Ion:202 Resp: 7029

Ion Ratio Lower Upper

202 100

200 25.1 16.8 25.2

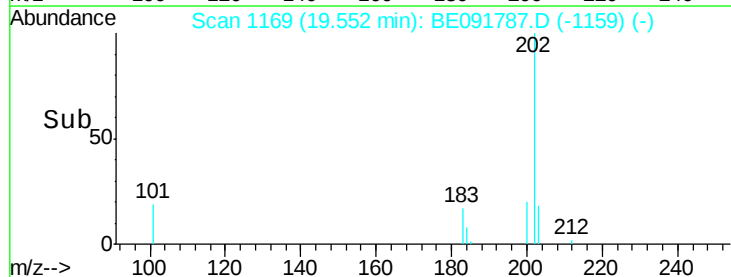
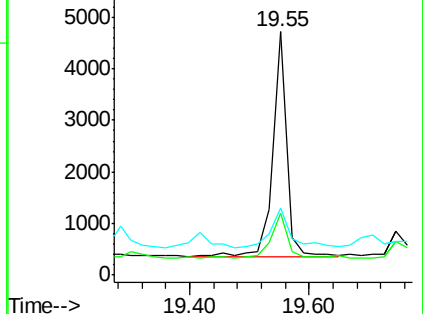
203 24.5 14.0 21.0#

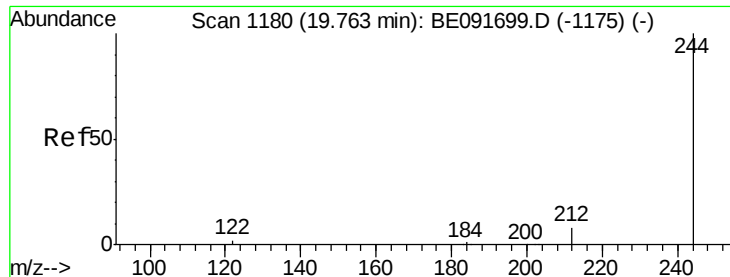


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.43 ng

RT: 19.76 min Scan# 1180

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

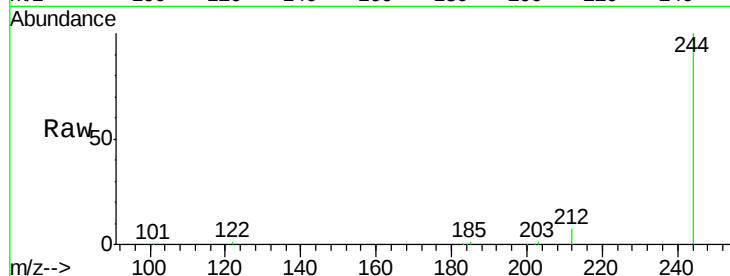
Tgt Ion:244 Resp: 223047

Ion Ratio Lower Upper

244 100

212 6.6 6.9 10.3#

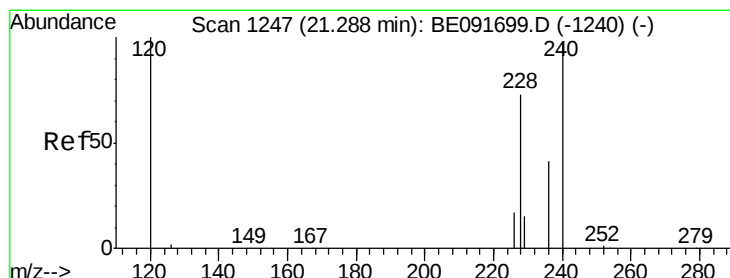
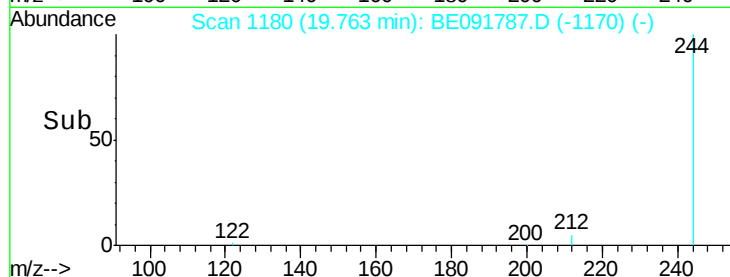
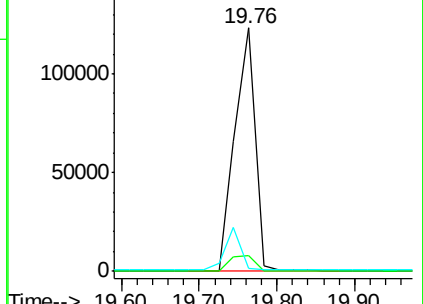
122 1.1 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

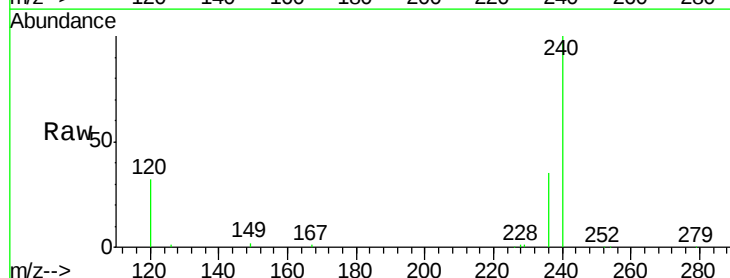
Tgt Ion:228 Resp: 2883

Ion Ratio Lower Upper

228 100

226 37.1 21.0 31.4#

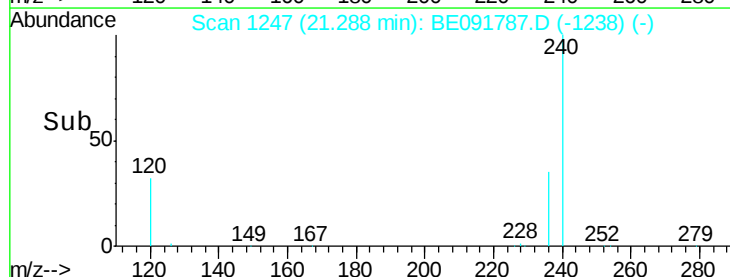
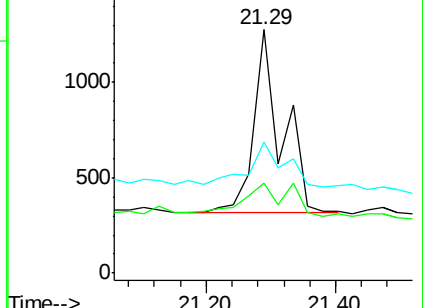
229 53.7 15.7 23.5#

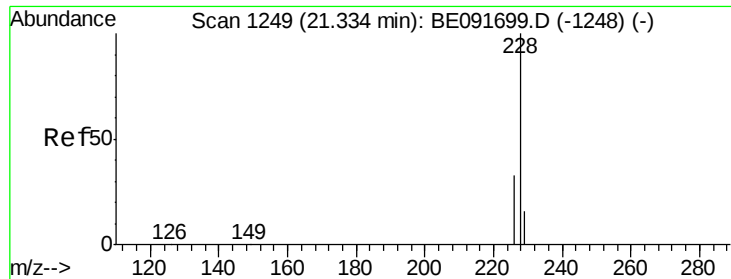


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: 0.04 ng

RT: 21.29 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511

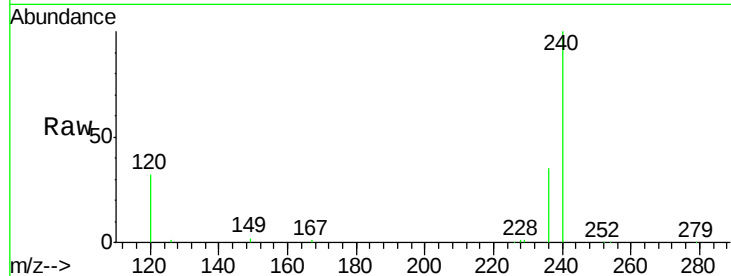
Tgt Ion:228 Resp: 2933

Ion Ratio Lower Upper

228 100

226 37.1 24.0 36.0#

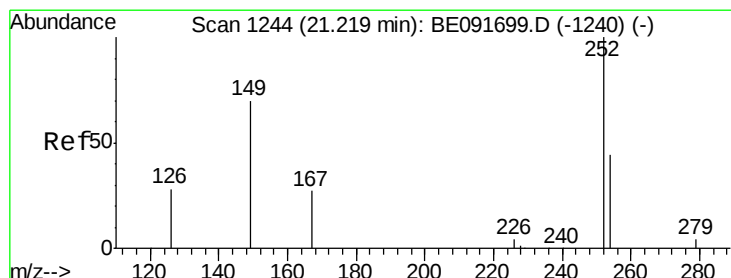
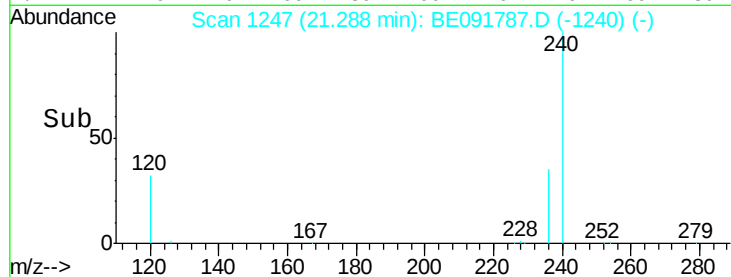
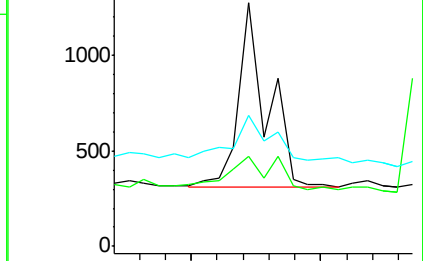
229 53.7 15.9 23.9#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.19 ng

RT: 21.20 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BE091787.D

Acq: 16 May 2016 23:26

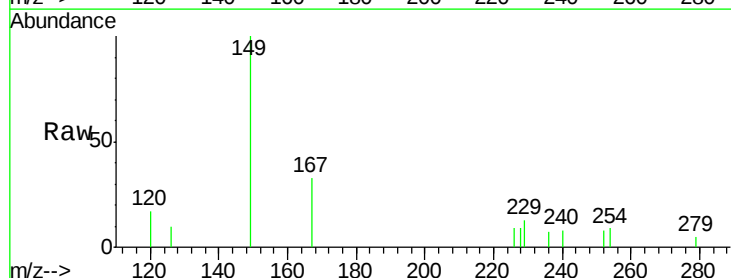
Tgt Ion:149 Resp: 4561

Ion Ratio Lower Upper

149 100

167 21.3 19.5 29.3

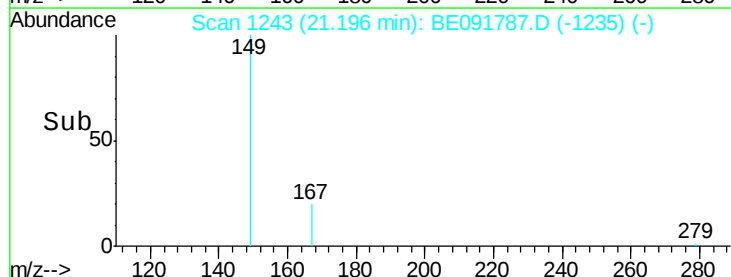
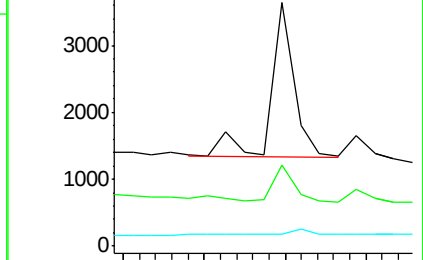
279 0.0 10.0 15.0#

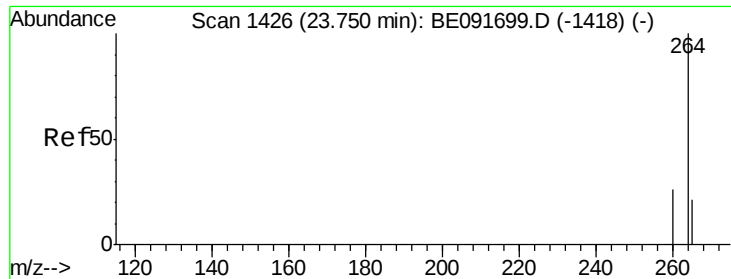


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#35

Perylene-d12

Concen: 5.00 ng

RT: 23.74 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BE091787.D

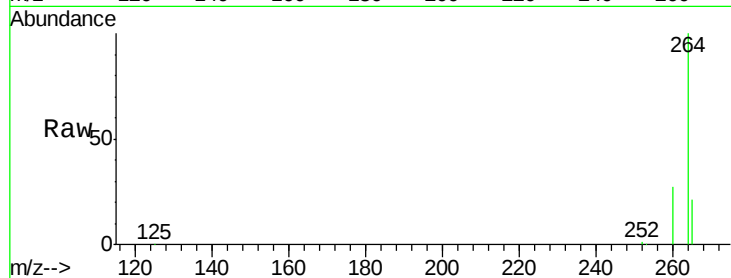
Acq: 16 May 2016 23:26

Instrument :

BNA_E

ClientSampleId :

SS043MW100-160511



Tgt Ion: 264 Resp: 337539

Ion Ratio Lower Upper

264 100

260 26.5 20.0 30.0

265 20.8 17.5 26.3

